What is claimed is:

1. A method comprising extracting copper from an aqueous copper solution having a temperature of at least 30°C by contacting the aqueous solution with an extraction reagent of the formula (I)

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wherein R is a linear or branched C<sub>10-18</sub> alkyl group and R<sub>1</sub> is H or CH<sub>3</sub>.

- The method of claim 1 wherein the extraction reagent is further
   comprised of a hydrocarbon diluent.
  - 3. The method of claim 1 wherein R is a linear or branched  $C_{10-18}$  alkyl group and  $R_1$  is H.
- 15 4. The method of claim 1 wherein R is a linear or branched  $C_{10-18}$  alkyl group and  $R_1$  is  $CH_3$ .
  - 5. The method of claim 1 wherein the extraction reagent is selected from the group consisting of 2-hydroxy-5-decylacetophenone oxime, 2-

hydroxy-5-dodecylacetophenone oxime, 2-hydroxy-5-pentadecylacetophenone oxime, 5-decylsalicylaldoxime, 5-dodecylsalicylaldoxime and 5-pentadecylsalicylaldoxime.

- 5 6. The method of claim 5 wherein the extraction reagent is 5-dodecylsalicylaldoxime.
  - 7. The method of claim 5 wherein the extraction reagent is 2-hydroxy-5-dodecylacetophenone oxime.

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- 8. The method of claim 5 wherein the extraction reagent is 5decylsalicylaldoxime.
- 9. The method of claim 5 wherein the extraction reagent is 2-hydroxy-5-15 decylacetophenone oxime.
  - 10. The method of claim 5 wherein the extraction reagent is 2-hydroxy-5pentadecylacetophenone oxime.
- 20 11. The method of claim 5 wherein the extraction reagent is 5pentadecylsalicylaldoxime.
  - 12. The method of claim 1 wherein the extraction reagent is further comprised of a modifier selected from the group consisting of an ester, a ketone, an ether and an alcohol.

- 13. The method of claim 12 wherein the alcohol is tridecanol.
- 14. The method of claim 12 wherein the ester is 2,2,4-trimethylpentane-1,3-diol diisobutyrate, di-n-butyl adipate.

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- 15. The method of claim 1 wherein the temperature is 35°C.
- 16. A method comprising extracting copper from an aqueous copper solution having a temperature of at least 30°C by contacting the aqueous
  10 solution with a composition comprising: (a) extraction reagent comprised of a compound of the formula (I)

wherein R is a dodecyl group and  $R_1$  is H and (b) di-n-butyl adipate.

17. A method comprising extracting copper from an aqueous copper solution having a temperature of at least 30°C by contacting the aqueous solution with a composition comprising: (a) extraction reagent comprised of a compound of the formula (I)

$$\bigcap_{\mathbf{R}}^{\mathsf{OH}} \bigcap_{\mathbf{R}_1}^{\mathsf{NOH}} \mathbb{R}_1$$

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wherein R is a nonyl group and R<sub>1</sub> is CH<sub>3</sub> and (b) di-n-butyl adipate.

- 18. The method of claim 16 wherein the temperature is 35°C.
- 10 19. The method of claim 17 wherein the temperature is 35°C.